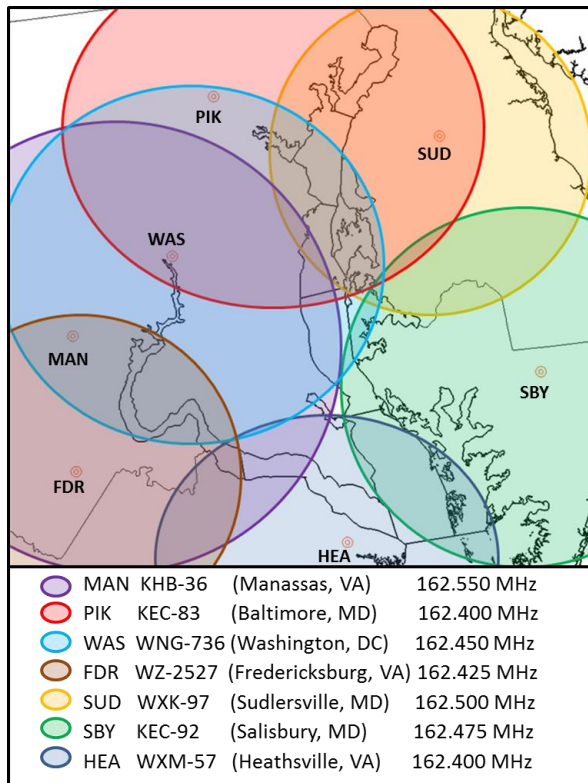


NOAA Weather Radio (NWR)

This 24/7 weather radio broadcast is the best way to receive weather alerts and updates on the water and is a must-have for any boat.



Seven NWR transmitters broadcast weather observations, forecasts, and warnings for the Maryland part of the Chesapeake Bay. A tone alarm will alert for warnings.



NWR coverage pattern for MD Chesapeake Bay

We welcome your comments and ideas to improve our marine weather and tide services.



National Weather Service office in Sterling, VA

National Weather Service
Baltimore/Washington Weather Forecast Office
43858 Weather Service Road
Sterling, VA 20166
(703) 996-2200
weather.gov/lwx



Marine and Tide Forecasts and Warnings

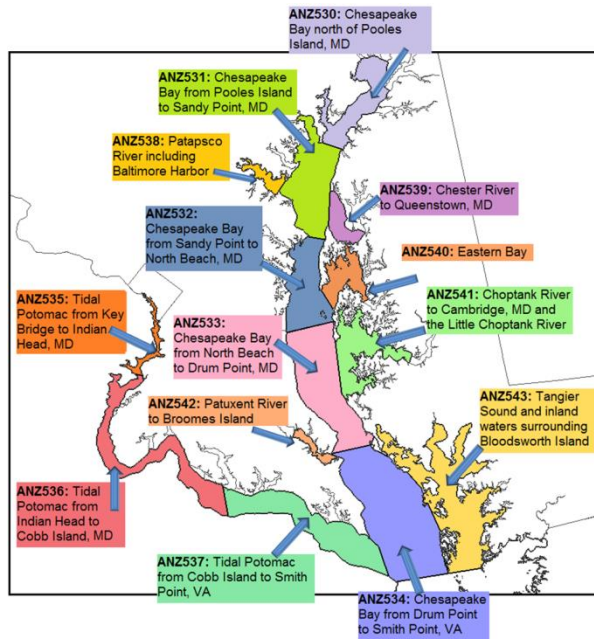
“Be in the know before you go!”



U. S. Department of Commerce
National Oceanic & Atmospheric Admin.
National Weather Service
Baltimore/Washington Forecast Office
Sterling, Virginia

Marine Weather

We provide marine forecasts and warnings for 14 zones on Tidal Potomac River and the Maryland Portion of the Chesapeake Bay. A Coastal Waters Forecast is issued for each zone.



Elements for Coastal Waters Forecasts:

- Synopsis (with future wind headlines)
- Wind Speed, Direction, Gust
- Wave Height
- Weather, Visibility

```
TIDAL POTOMAC FROM COBB ISLAND TO SMITH POINT-
432 PM EDT MON OCT 19 2015

...SMALL CRAFT ADVISORY IN EFFECT FROM 10 PM EDT THIS EVENING
THROUGH TUESDAY MORNING...

.REST OF THIS AFTERNOON...S WINDS 5 KT. WAVES FLAT.
.TONIGHT...SW WINDS 10 TO 15 KT. GUSTS UP TO 20 KT IN THE LATE
EVENING AND OVERNIGHT. WAVES 1 TO 2 FT.
.TUE...SW WINDS 10 TO 15 KT WITH GUSTS TO 20 KT. WAVES 1 TO 2 FT.
.TUE NIGHT...SW WINDS 5 TO 10 KT. WAVES 1 FT.
.WED...SW WINDS 5 TO 10 KT. WAVES 1 FT.
.WED NIGHT...S WINDS 5 TO 10 KT. WAVES 1 FT.
.THU...SW WINDS 5 TO 10 KT...BECOMING NW AFTER MIDNIGHT. WAVES 1 TO
2 FT.
.FRI...N WINDS 10 TO 15 KT. WAVES 3 FT...SUBSIDING TO 1 FT.
```

Example Coastal Waters Forecast for a zone

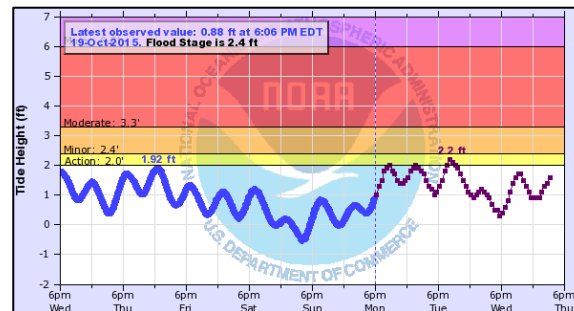
Marine Wind Headlines (Criteria):

| | |
|------------------------------|---------------|
| Small Craft Advisory | (18-33 knots) |
| Gale Warning | (34-47 knots) |
| Storm Warning | (48-63 knots) |
| Hurricane Force Wind Warning | (>= 64 knots) |

Marine Warning Headlines:

Severe Thunderstorm/Tornado Watch
Special Marine Warning
(34 knot or more wind, waterspout, ¾" hail)
Marine Weather Statement
(Short duration winds less than 34 knots)
Tropical Cyclone Watch/Warning

Tide Forecasts



Tide observation (blue) and forecast (maroon)

We forecast the tidal water level for both coastal flooding and blowout tide conditions at locations with tide gauges. **Coastal Flood Watch and Warning:** moderate and major coastal flooding. **Coastal Flood Advisory:** minor coastal flooding. **Marine Weather Statement:** blowout tides.

Elements for Tide Forecasts:

- Wind Speed, Direction, Duration
- Astronomical Tide Prediction
- Moon Phase
- Barometric Pressure Pattern



Tide gauge and water level forecast locations



Websites for Marine Weather and Tides:

NWS Forecast Office for MD Bay Area
weather.gov/lwx, mobile.weather.gov
National Data Buoy Observations
ndbc.noaa.gov/maps/Chesapeake_Bay.shtml
Chesapeake Bay Interpretive Buoys
buoybay.noaa.gov "Smart Buoys" App
NWS River/Tide Observations and Forecasts
water.weather.gov/ahps2/index.php?wfo=lmw
NOAA Tide Observations and Forecasts
tidesonline.noaa.gov
tidesandcurrents.noaa.gov/ofc/cbofs/cbofs.html
Ocean Prediction Center
opc.ncep.noaa.gov